Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/13/2021 10:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124486	-1	2.71	124340	2.71
Blue	F	SSC	125000	121611	-3	3.44	121948	3.43
Blue	E	FITC	13131	12582	-5	3.51	289	16.07
Blue	D	PE	24112	23423	-3	3.16	536	11.04
Blue	B	PerCP-Cy5-5	31295	30155	-4	4.10	997	14.85
Blue	A	PE-Cy7	19939	19495	-3	6.13	517	29.82
Red	C	APC	42122	41315	-2	2.91	1731	11.62
Red	A	APC-Cy7	22340	21793	-3	3.23	813	12.13
Violet	B	V450	7410	7032	-6	3.71	428	12.32
Violet	A	V500	28118	26943	-5	3.14	674	10.03

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22582	2.89	584	15	N/A	N/A	Pass
Blue	F	SSC	56327	2.71	521	9	N/A	N/A	Pass
Blue	E	FITC	54	54.62	488	1	0.0398	96	Pass
Blue	D	PE	111	38.02	491	3	0.4423	343	Pass
Blue	B	PerCP-Cy5-5	185	36.49	588	2	0.0198	82	Pass
Blue	A	PE-Cy7	102	72.07	632	4	0.0218	12	Pass
Red	C	APC	399	24.71	581	5	0.0267	198	Pass
Red	A	APC-Cy7	182	28.05	557	6	0.0056	746	Pass
Violet	B	V450	60	63.15	454	1	0.0681	2545	Pass
Violet	A	V500	96	34.08	466	1	0.0239	665	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.40	-31.17	1.11
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	14.40	13.60 - 20.40	N/A	N/A	29.66	29.90	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 15067

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments